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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
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NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	JAN 26	CA/CAPLUS - Expanded patent coverage to include the Russian Agency for Patents and Trademarks (ROSPATENT)
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005
NEWS	19	FEB 16	STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

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FILE 'HOME' ENTERED AT 09:58:56 ON 19 FEB 2005

=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

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FILE COVERS 1907 - 19 Feb 2005  VOL 142 ISS 9
FILE LAST UPDATED: 18 Feb 2005  (20050218/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> HCV (s) replicon
          8738 HCV
            17 HCVS
          8742 HCV
                 (HCV OR HCVS)
          2986 REPLICON
          1500 REPLICONS
          3685 REPLICON
                 (REPLICON OR REPLICONS)
L1         239 HCV (S) REPLICON

=> lambda (w) phage
        171690 LAMBDA
            66 LAMBDAS
        171703 LAMBDA
                 (LAMBDA OR LAMBDAS)
         45082 PHAGE
          7309 PHAGES
         46708 PHAGE
                 (PHAGE OR PHAGES)
L2        2782 LAMBDA (W) PHAGE

=> L1 and l2
L3           0 L1 AND L2

=> phage
         45082 PHAGE
          7309 PHAGES
L4       46708 PHAGE
                 (PHAGE OR PHAGES)

=> L1 and l4
L5           1 L1 AND L4
```

=> D L5 IBIB ABS

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:1010148 CAPLUS
DOCUMENT NUMBER: 142:130666
TITLE: Protein kinase C-related kinase 2 regulates hepatitis C virus RNA polymerase function by phosphorylation
AUTHOR(S): Kim, Seong-Jun; Kim, Jung-Hee; Kim, Yeon-Gu; Lim, Ho-Soo; Oh, Jong-Won
CORPORATE SOURCE: Department of Biotechnology, Yonsei University, Seoul, 120-749, S. Korea
SOURCE: Journal of Biological Chemistry (2004), 279(48), 50031-50041
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The hepatitis C virus (HCV) NS5B protein is the viral RNA-dependent RNA polymerase required for replication of the HCV RNA genome. We have identified a peptide that most closely resembles a short region of the protein kinase C-related kinase 2 (PRK2) by screening of a random 12-mer peptide library displayed on the surface of the M13 bacteriophage with NS5B proteins immobilized on microwell plates. Competitive **phage** ELISA with a synthetic peptide showed that the **phage** clone displaying this peptide could bind HCV RNA polymerase with a high affinity. Coimmunopptn. and colocalization studies demonstrated in vivo interaction of NS5B with PRK2. In vitro kinase assays demonstrated that PRK2 specifically phosphorylates NS5B by interaction with the N-terminal finger domain of NS5B (amino acids 1-187). Consistent with the in vitro NS5B-phosphorylating activity of PRK2, we detected the phosphorylated form of NS5B by metabolic cell labeling. Furthermore, **HCV** NS5B immunopptd. from **HCV** subgenomic **replicon** cells was specifically recognized by an antiphosphoserine antibody. Knock-down of the endogenous PRK2 expression using a PRK2-specific small interfering RNA inhibited HCV RNA replication. In contrast, PRK2 overexpression, which was accompanied by an increase of in the level of its active form, dramatically enhanced HCV RNA replication. Altogether, our results indicate that HCV RNA replication is regulated by NS5B phosphorylation by PRK2.

REFERENCE COUNT: 74 THERE ARE 74 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT